I N F O

BEDIENUNGSANLEITUNG
GEBRUIKSAANWIJZING
MODE D'EMPLOI
MANUAL DE INSTRUCCIONES
INSTRUCTION MANUAL

WASCHVOLLAUTOMAT	EW 1230 I
WASAUTOMAAT	EW 1230 I
LAVE - LINGE	EW 1230 I
LAVADORA	EW 1230 I
WASHING MACHINE	EW 1230 I

Electrolux

CONTENTS

Warnings . . . . . Page 79

Installation . . . . . Page 80

Unpacking . . . . . Page 80

Positioning . . . . . Page 80

Water inlet . . . . . Page 80

Water drainage . . . . . Page 81

Electrical connection . . . . . Page 81

Levelling . . . . . Page 81

Building-in . . . . . Page 82

Use . . . . . Page 83

Control panel . . . . . Page 83

Washing hints . . . . . Page 84

Detergents and additives . . . . . Page 85

Washing programmes . . . . . Page 86-87

Wash code symbols . . . . . Page 88

Operating sequence . . . . . Page 89

Maintenance . . . . . Page 90

Bodywork . . . . . Page 90

Detergent dispenser drawer . . . . . Page 90

Drain filter . . . . . Page 90

Water inlet filter . . . . . Page 90

Something not working? . . . . . Page 91

TECHNICAL SPECIFICATIONS

DIMENSIONS	Height	82 cm
	Width	60 cm
	Depth	54 cm
POWER SUPPLY VOLTAGE/FREQUENCY		220-230V / 50 Hz
TOTAL POWER ABSORBED		2200 W (10A)
WATER PRESSURE	Minimum	5 N/cm^2
	Maximum	80 N/cm^2
MAXIMUM RECOMMENDED LOAD	Cotton, linen	5 kg
	Synthetics, delicate fabrics	2 kg
	Wool	1 kg
SPIN SPEED	Maximum	1200 rpm

CE This appliance complies with the following E.E.C. Directives:
- 73/23 EEC of 19.2.73 (Low Voltage Directive) and subsequent modifications;
- 89/336 EEC of 3.5.89 (Electromagnetic Compatibility Directive) and subsequent modifications.

WARNINGS

You must read the whole of this instruction book before you use the appliance. Follow the advice carefully.

Keep the book for future reference. If you sell or give away the appliance, make sure that the book is passed to the new owner.

The following warnings are provided in the interest of overall safety. You must read them before the appliance is installed or used.

- This appliance is designed to be used by adults. Children should not be allowed to touch the controls or play with the product.
- It is dangerous to modify the specifications of this appliance in any way.
- This appliance is heavy. Care should be taken when moving it.
- All packaging and transit bolts must be removed before the appliance is used. Serious damage may occur if this is not done.
- Any plumbing work required to install this appliance should be carried out by a qualified plumber or competent person.
- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- Make sure that the appliance does not stand on its electrical supply cable.
- If the machine is situated on a carpeted floor, please adjust the feet to ensure that air can circulate freely.
- Always unplug the appliance and turn off the water after use.
- Do not overload the appliance.
- Only wash fabrics which are designed to be machine washed. If in doubt, follow the instructions you find on the label of the item itself.
- Make sure that all pockets are empty. Hard, sharp objects such as coins, safety pins, nails, screws or stones can cause extensive damage.
- Do not machine wash fabrics which are saturated with petroleum products. If volatile cleaning fluids have been used, make sure that they are thoroughly removed from the fabric before it is placed in the appliance.
- Use only the recommended quantities of fabric conditioner.
- Leave the porthole door slightly ajar between washes to preserve the door seal.
- Before you open the door of the machine check that the water has drained. Do not open the door if you can still see water.
- Pets and small children may climb into washing machines. Check your appliance each time before use.
- The glass door becomes very hot during washing cycle. Keep children away from the appliance while it is in use.
- You should not attempt to repair the machine yourself. Repairs carried out by inexperienced or unqualified persons may cause injury and/or more serious faults to the machine.
- This product should be serviced by an authorised Service Centre only, and only genuine spare parts should be used.
- When disposing of your old washing machine, the electric cable must be cut off and the door catch must be made unusable.

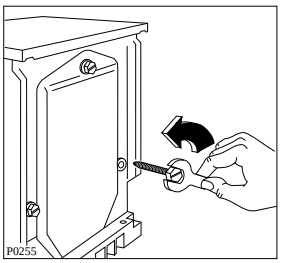
INSTALLATION

Unpacking

All transit bolts and packing must be removed before using the machine.

You are advised to keep all packing for re-use in case you move house and the machine has to be transported again.

Proceed as follows:



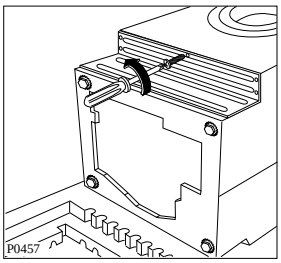
Using a spanner remove the screw on the right at the rear of the machine.

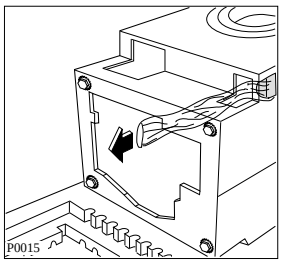
Carefully lay the machine on its back making sure that the hoses are not squashed.

Place between machine and bottom one of the polystyrene angle packings.

Remove the polystyrene base and take off the bottom panel by unscrewing the central screw.

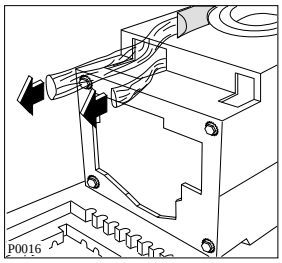
Carefully remove the right polythene bag.

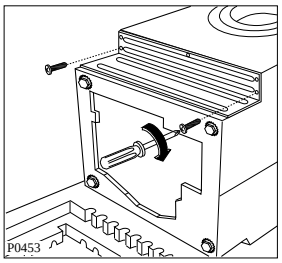




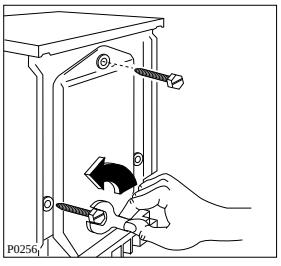
Carefully take off the central and left polythene bags.

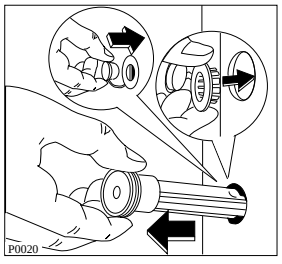
Re-fit the bottom panel using the 4 screws supplied with the hinges and the previously removed screw.





Set the machine upright and unscrew the two remaining rear screws.





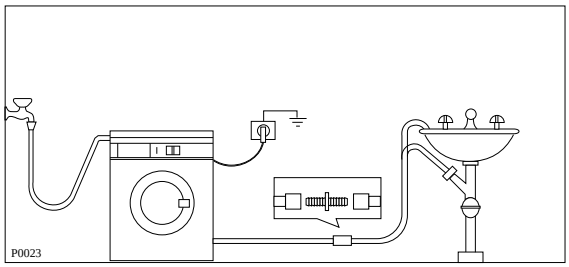
Slide out the 3 plastic spacers and plug the 3 holes with the 3 plastic plugs which you can find on the back of the machine.

Positioning

Position the machine on a firm level surface.

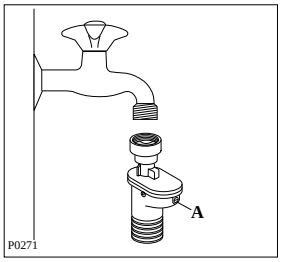
The machine must not touch the wall or other furniture.

It is assumed that the tap, drainage point and socket are within easy reach of the machine hoses and power supply cable. If not, you are advised to call your fitter in order to move the tap and/or drainage point and/or socket.



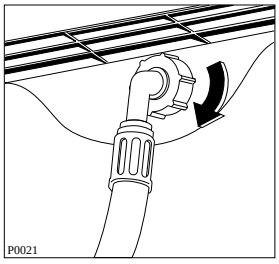
Water inlet

Connect the water inlet hose to a tap with a $^{3}/_{4}$" gas thread spout.



The inlet hose is provided with a water stop device, which protects against damage caused by water leaks in the fill hose which could develop due to natural ageing of the hose. This fault is shown by a red sector in the window «A».

Should this occur, turn the water tap off and refer to your Service Agent to replace the hose.



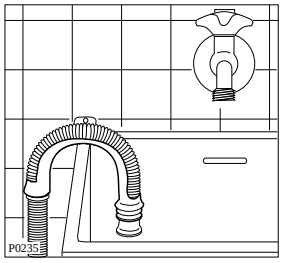
The other end of the inlet hose connected to the machine can be turned in any direction. Simply loosen the fitting, rotate the hose and retighten.

The inlet hose must not be extended. If it is too short and you do not wish to move the tap, replace it completely with a longer high pressure hose specifically designed to solve problems of this type.

Water drainage

The end of the drain hose can be positioned in three ways:

Over the edge of a basin at a height of between 60 and 90 cm.



To keep the drain hose spout bent, use the special plastic hose guide supplied with the machine. Secure it to the wall with a hook, for example, or to the tap by means of a piece of string, to prevent the drain hose moving during rinsing cycle thus causing floods.

In a basin drainpipe branch: the branch must be above the basin siphon so that the end of the hose is at least 60 cm from ground level.

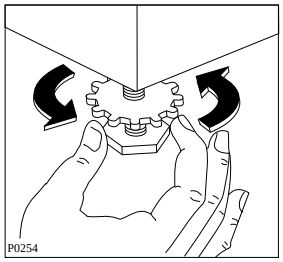
Directly in a drainpipe: you are advised to use a vertical 65 cm high pipe; in any case it should never be shorter than 60 cm or longer than 90 cm.

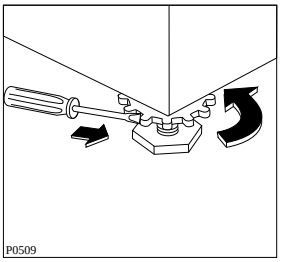
The end part of the drain hose must always be ventilated, i.e. the internal diameter of the pipe must be wider than the external diameter of the drain hose.

The drain hose can be extended up to a maximum length of 180 cm. Use an extension with an internal diameter at least equal to the diameter of the original hose and a suitable fitting. The hose extension will run along the floor and only the part near the drainage point will be raised.

Levelling

Position the appliance and level it by tightening or loosening one or two of the adjustable feet. Ensure that the machine is resting securely with all four feet on the ground. Once the machine has been levelled, tighten up the lock nuts on all feet with the aid of a screwdriver.





Electrical connection

Before plugging the appliance into the wall socket, make sure that:

1. the mains voltage corresponds to the voltage given in the technical specifications;

2. the meter, fuses, mains power supply and wall socket can all take the maximum load required.

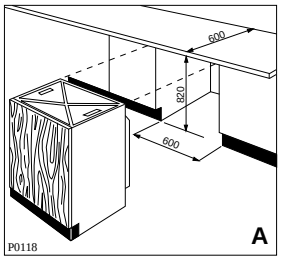
Make sure that the socket and plug are compatible without having to use any type of adapter. If necessary, have the domestic wiring system socket replaced.

The electric cable must not be extended. If it is too short and you do not wish to move the socket, replace it completely with a longer cable.

Safety standards require the appliance to be earthed.

The Manufacturer accepts no liability for failure to observe the above safety precautions.

Building-in

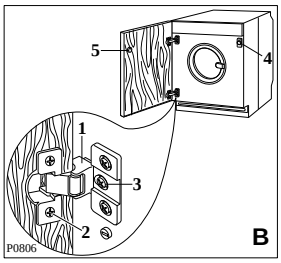


This appliance has been designed to be built into the kitchen furniture.

The recess should have the dimensions shown in the picture (Fig. A).

Preparation and assembly of the door

The machine is originally pre-arranged for assembly of a door opening from right to left.



In this case it is sufficient to screw-in on the door the two hinges (1) and the counter-magnet (5) in the right position (Fig. B).

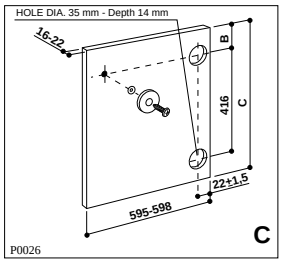
a) Door

The dimensions of the door should be:

width	595 to 598 mm
thickness	16 to 22 mm

The height (C) cannot be given, since it depends on the height of the adjacent furniture, e.g. height of the kick plate of the kitchen unit.

b) Hinges



To mount the hinges on the door it is necessary to drill 2 holes (dia. 35 mm, depth 14 mm) on the door's inner side.

The distance between the holes must be 416 mm.

The dimension (B) (from upper edge of the door to the centre of the hole) cannot be given, since it depends on the adjacent cabinet's dimensions.

The required dimensions are given in the picture (Fig. C).

The hinges will be fixed to the door by means of self-tapping screws (Fig. B/2).

c) Mounting the door (Fig. B)

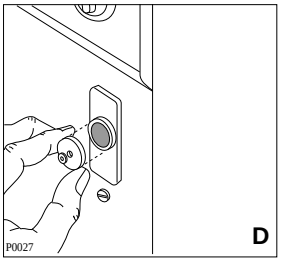
Fix the hinges to the machine by means of M5x8 mm screws (3).

To compensate for possible uneven thickness of the door the hinges can be adjusted horizontally.

To align the door perfectly it may sometimes be necessary to adjust the hinge (1).

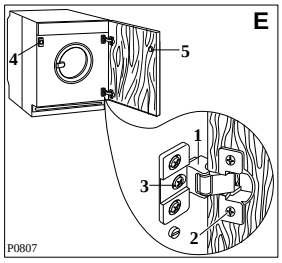
To do this unscrew the screw (3), align the door and then retighten the screw (3).

d) Counter-magnet



The door is kept closed by a magnetic closure. To enable the closure to operate, a counter-magnet (5) must be screwed into the door inner side (steel disk with rubber ring). See Fig. B.

Its position must correspond with the magnet (4) on the appliance (see Fig. D).

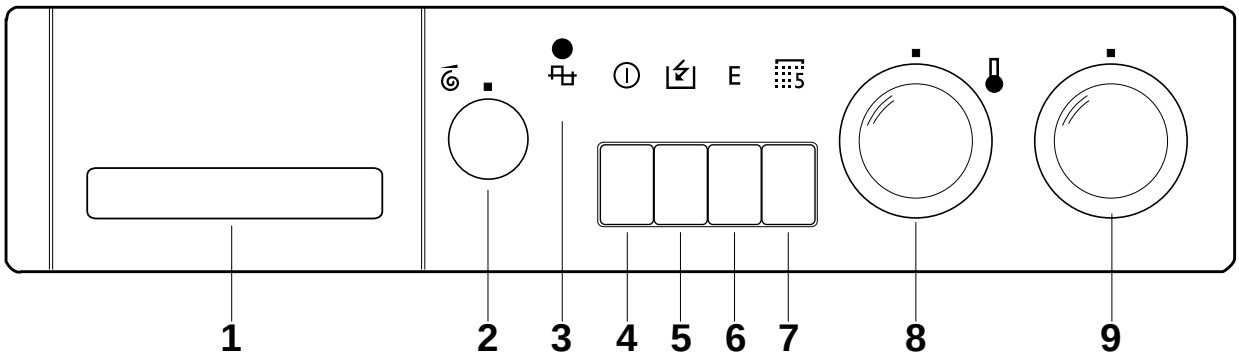


To assemble a door opening from left to right operate as follows:

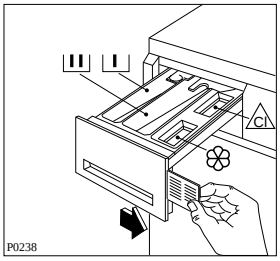
Fit the plates (2) on the right side and the magnet (4) on the left side. Mount the counter-magnet (5) and the hinges (1) on the door inner side. See Fig. E.

USE

Control panel



1 Detergent dispenser drawer and programme chart



Symbols

- Prewash
- Wash
- Fabric softener

There is a programme guide in Spanish on the interior part of the detergent dispenser drawer.

2 Spin speed selector dial

This knob allows you to select the spin speed as follows:

MAX = 1200 rpm for cotton & linen
850 rpm for progr. «L» and «N»

MIN = 750 rpm for cotton & linen
550 rpm for progr. «L» and «N»

3 Mains-on light

It comes on when the machine starts operating and goes out when the ON/OFF button is released.

4 On/Off button

Press this button to start the machine. The same button is used to switch the machine off.

Before selecting a programme or changing an ongoing programme the machine must be switched off by depressing the On/Off button.

5 Quick wash button

By depressing this button on programmes «B» and «G» the washing time will be reduced by approx. 12 mins.
It should be used for lightly soiled laundry, max. temp. 60°C.

6 Economy button E

By depressing this button on programmes «A» and «F» and by selecting the temperatures indicated in the programme tables you will obtain a substantial saving in electricity consumption.
Equally good results will be obtained because the reduced temperature is compensated by maintaining the washing time.

7 Extra rinse button 5

With programmes for cotton and linen an extra rinse can be selected by depressing this button. The machine will carry out 5 rinses instead of 4.
To be used in areas where the water is very soft or for persons who are allergic to detergents or who have very delicate skin.

8 Temperature selector dial (thermostat)

To select the washing temperature press the dial in to pop it out and then turn it to the required value.

When your laundry is only lightly soiled, a cold wash can be used (dial to position ✳).

9 Programme selector dial

To select the required washing programme press the dial in to pop it out and then turn it **clockwise.**

Washing hints

You are advised not to leave your laundry too long, especially when damp. Damp laundry produces mould and unpleasant smells.

Mould stains cannot be removed.

Sort your laundry

Study carefully the chart in this booklet explaining the symbols used on clothes labels.

The following points are particularly important:

- a **line** under the bowl means that the garment cannot be washed using programmes for resistant fabrics such as cotton and linen;
- do not mix coloured garments with whites;
- anticrease materials like polyester/cotton should be treated as synthetics;
- non-resistant fabrics like acrylic and most curtain materials should be treated as delicate fabrics;
- the wool programme is designed specifically for pure new wool. Other types of wool and wool mixtures may shrink or felt if machine-washed.

  Woollen garments should be spun briefly immediately after washing.

Pre-wash

Pre-wash is not normally necessary. Your new washing machine combined with modern detergents will give perfect washing results without pre-wash, thus saving energy, time, water and detergent.

However, when the laundry is particularly dirty (for example if you have to wash mechanics' overalls or butchers' aprons), you are advised to use prewash with a biological detergent.

Temperatures

We suggest that white cotton and linen, if it is not excessively soiled, can be washed at 60° instead of 95°. There should be no reduction in performance, but there will be an energy saving of approximately 30%.

The same applies to a lesser extent to fast coloured garments.

They usually require a temperature of 60° but if they are not excessively dirty, you will have satisfactory results at 40°.

Garments with non-fast colours should not be washed at temperatures above 40°. If fast and non-fast colours are washed together, they should be treated as non-fast colours and therefore the temperature should not exceed 40°.

Resistant white and coloured synthetics can normally be washed at 60° but also in this case 40° is sufficient if the laundry is not excessively dirty.

Delicate synthetics, synthetics with non-fast colours and woollen garments must never be washed above 40°. If only one of the labels specifies 30°, this temperature must be selected for the whole wash.

How much laundry can be washed in one load?

For cotton and linen items as well as for synthetics and wool refer to the quantities indicated on the programme charts.

Strictly speaking you should always weigh your laundry.

As weighing can be complicated, we suggest you estimate the weight according to how full the drum is:

cotton and linen: drum full but not too tightly packed

resistant synthetics: no more than $^1/_2$ of the drum

delicate fabrics and wool: no more than $^1/_3$ of the drum.

Before placing the laundry in the machine:

mend all tears, holes and ladders;

secure loose buttons and close poppers and zips;

do not wash frayed garments - mend hems before washing;

remove all small objects from pockets. Nails, pins, clips and similar objects can seriously damage your washing machine and laundry;

remove curtain hooks;

wash coloured garments and in particular those with non-fast colours separately when washing for the first time. They are likely to lose colour the first time they are washed;

treat obstinate stains such as grass, rust, tar, paint, ink etc. with a stain remover before washing.

To remove paint stains, for example, use a volatile substance such as turpentine: in this case, you should wait for it to dry completely before washing.

The manufacturer of the appliance is not responsible for any damage deriving from the use of volatile, inflammable or toxic substances.

Detergents and additives

Good washing results also depend on the choice of detergent and use of the correct quantities to avoid waste and protect the environment.

Although biodegradable, detergents contain substances which in large quantities can damage the delicate ecological balance of nature.

Always use good quality detergents suitable for use in washing machines.

Follow the indications given by the detergent manufacturer according to the weight of laundry, the degree of soil and the hardness of the water in your area; if you do not know how hard it is, ask your local Water Authority.

Powder detergents

The washing powder should be placed in the appropriate compartments of the dispenser drawer before starting the programme.

Special detergents are available for coloured and delicate fabrics and for wool.

«Concentrated» powder detergents

Pour the concentrated powder detergent into the compartment for the main wash.

The washing machine incorporates a recirculation system which allows an optimal use of the concentrated detergent.

Avoid selecting programmes including prewash when concentrated detergents are used.

Avoid use of the proportioners supplied with the detergents into the internal drum.

Degrees of water hardness

Level	Characteristic	German degrees	French degrees
1	soft	0-7	0-15
2	medium	8-14	16-25
3	hard	15-21	26-37
4	very hard	> 21	> 37

Liquid detergents

A liquid detergent can be used in the middle compartment of the dispenser drawer as long as you start the machine up straight away without prewash.

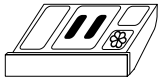
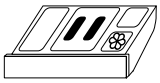
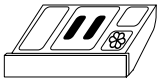
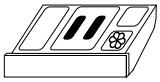
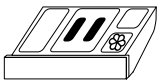
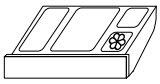
Liquid additives

It may be advisable to use a liquid fabric softener when you are going to dry synthetic garments in the tumble dryer for example.

This prevents the fabrics becoming charged with static electricity.

«Energetic» programmes for cotton and linen

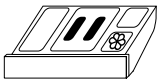
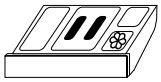
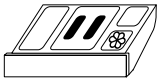
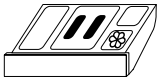
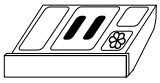
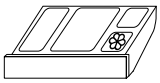
Max. recommended load: 5 kg

Programme	Degree of soil	Detergent drawer compartments to use	Temperature selector knob	Programme selector knob	Cycle description
Prewash	Heavy		**30°-40°**	**N**	Prewash at 30°-40°C Drain and short spin
Whites	Normal		**95°**	**A**	Wash at 95°C Rinses Spin
Whites economy	Normal		**60°**	**A+E (•)**	Wash at 60°C Rinses Spin
Coloureds	Normal		**30°-60°**	**A**	Wash at 30°-60°C Rinses Spin
Coloureds economy	Normal		**30°-40°**	**A+E**	Wash at 30°-40°C Rinses Spin
Quick wash	Light		**30°-60°**	**B+**	Wash at 30°-60°C Rinses Spin
Rinses				**C**	Rinses with fabric softener if required Spin
Spin				**D**	Draining of water and spin

(•) This 60° programme, with depressed E-button, is the reference programme for the Energy label according to the article 2, paragraph 1 of the EEC Directive 92/75.

«Gentle» programmes for synthetics, mixed fabrics, delicates and wool

Max. recommended load: 2 kg (wool 1 kg)

Programme	Degree of soil	Detergent drawer compartments to use	Temperature selector knob	Programme selector knob	Cycle description
Resistant synthetics	Normal		**30°-60°**	**F**	Wash at 30°-60°C Rinses Stop with water left in tub
Resistant synthetics economy	Normal		**30°-40°**	**F+E**	Wash at 30°-40°C Rinses Stop with water left in tub
Quick wash	Light		**30°-60°**	**G+**	Wash at 30°-60°C Rinses Stop with water left in tub
Wool	Normal		**40°**	**H**	Wash at 40°C Rinses Stop with water left in tub
Delicates	Normal		**30°-40°**	**J**	Wash at 30°-40°C Rinses Stop with water left in tub
Rinses				**K**	Rinses with fabric softener, if required Stop with water left in tub
Short spin				**L**	Drain and short spin
Drain				**M**	Draining of water

At the end of the last rinse the washing machine stops without draining the water so that the garments do not crease. To drain the water, select programme **M** (drain) or else, if the garments can be spun, select programme **L** (short spin).

Wash code symbols

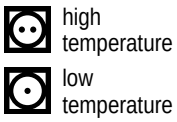
These symbols appear on fabric labels, in order to help you choose the best way to treat your laundry.

Strong wash **Delicate wash**	 Max. wash temperature 95°C 	 Max. wash temperature 60°C 	 Max. wash temperature 40°C 	 Max. wash temperature 30°C 	 Hand wash	 Do not wash at all

 Bleaching	 Bleach in cold water	 Do not bleach

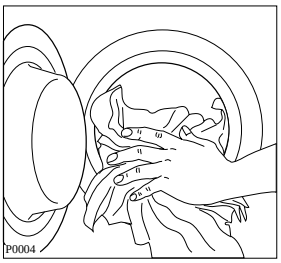
 Ironing	 Hot iron max 200°C	 Warm iron max 150°C	 Lukewarm iron max 110°C	 Do not iron

 Dry cleaning	 Dry cleaning in all solvents	 Dry cleaning in perchlorethylene, petrol, pure alcohol, R 111 & R 113	 Dry cleaning in petrol, pure alcohol and R 113	 Do not dry clean

 Drying	 Flat	 On the line	 On clothes hanger	 high temperature low temperature Tumble dry	 Do not tumble dry

Operating sequence

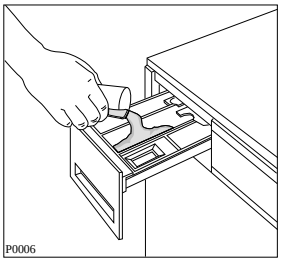
1. Place the laundry in the drum



Open the loading door.

Place the garments to be washed inside the drum one by one laying them as flat as possible. Close the door ensuring that the catch clicks into place.

2. Measure out the detergent into the dispenser drawer

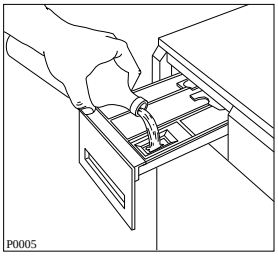


Pull out the detergent dispenser drawer from the control panel.

Pour the detergent into the main wash compartment. Follow the detergent manufacturer's guidelines for the amount required.

If you wish to carry out the prewash, pour the amount of detergent required into the «prewash» compartment.

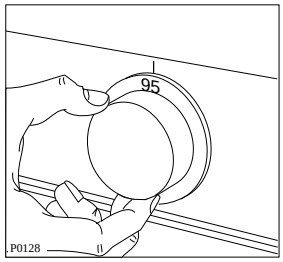
3. Add the liquid additive if required.



Pour the softener, if required, into the compartment marked ❀.
Do not exceed the MAX level.

4. Select the required option and the spin speed.

5. Select the temperature



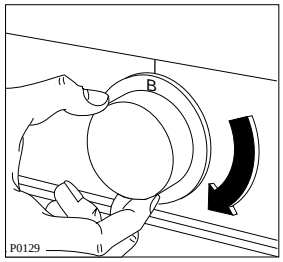
Press the temperature selector dial in to pop it out and turn it to the required value.

6. Select the required programme and start the machine

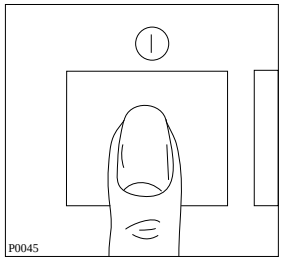
Plug into the mains.

Turn on the water tap.

Check that the drain hose is correctly positioned.



Press the programme selector dial in to pop it out and then turn it **clockwise** until the programme coincides with the marker.



Depress the ON/OFF button: the «mains on» light will come on and the machine starts operating.

7. At the end of the programme

The appliance stops automatically.

If a programme without draining of water has been selected, drain the water before opening the door.

Wait one or two minutes before opening the door to give the electric locking mechanism time to release it.

Release the ON/OFF button, the mains-on light goes out.

Turn the water tap off and unplug the machine from the mains.

Open the loading door and remove the laundry. Ensure that the drum is completely empty by turning it with one hand.

Leave the door ajar for a while to eliminate the steam.

MAINTENANCE

Bodywork

The outside of the machine can be cleaned with warm water and a neutral non-abrasive household detergent. Wipe with clean water and dry after cleaning.

Important: do not use methylated spirit, diluents or similar products.

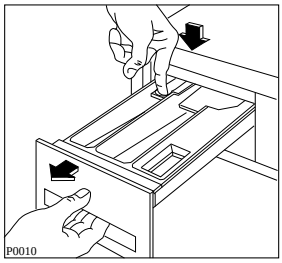
Detergent dispenser drawer

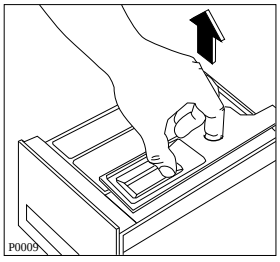
After a while detergents and fabric softeners leave a deposit in the drawer.

It should be cleaned from time to time with a jet of running water.

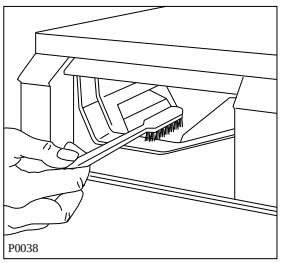
If necessary it can be removed completely from the machine by pulling it out after depressing the button at the rear of the drawer.

To facilitate cleaning, the upper part of the additive compartment can be removed.


P0010


P0009

The drawer recess


P0038

Detergent can also accumulate inside the recess which should be cleaned occasionally with an old toothbrush.

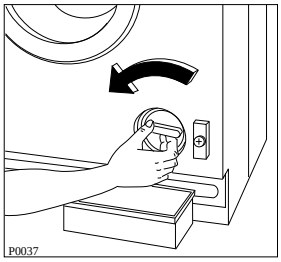
Once you have finished cleaning, replace the drawer and run a rinse cycle without laundry.

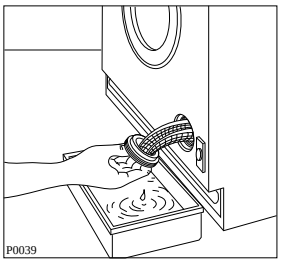
The drain filter

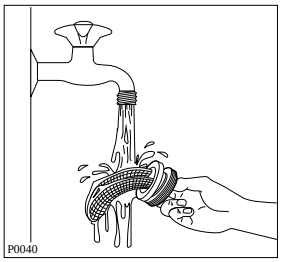
The drain filter collects threads and small objects left in the laundry. **Check regularly that the filter is clean to ensure smooth running of your machine.**

Place a bowl underneath and unscrew the filter by turning it to the left.

Remove the filter.


P0037


P0039


P0040

Clean it under a fast-running tap.

The water inlet filter

If your water is very hard or contains traces of lime deposit, the water inlet filter may become clogged.

It is therefore a good idea to clean it from time to time.

Turn off the water tap.

Unscrew the water inlet hose. Clean the filter using a hard bristle brush.

Tighten up the inlet hose.

SOMETHING NOT WORKING?

If the machine does not start up:

- check that the door is firmly shut;
- check that the appliance is plugged in
- check that the mains fuse is intact;
- check that the programme selector dial is correctly positioned and the ON/OFF button has been depressed.

If the machine does not fill:

- is the tap on?
- is water coming out of the tap? Check.
- is the inlet hose squashed or bent?
- is the filter of the inlet hose clogged?
- is the loading door open?
- is the door closed?

If the machine empties as it fills:

- the end of the drain hose is too low.

If the machine does not drain and/or does not spin:

- is the drain hose squashed or bent?
- is the drain filter clogged?
- have you selected a gentle programme that stops with the last rinse water in the tub?

If there is water on the floor:

- too much detergent or unsuitable detergent? The formation of foam can cause water leaks.
- is one of the joints or the tap leaking? It is not always easy to see as the leak often runs along the hose.

If the machine vibrates or is too noisy:

- have all the transit bolts and packing been removed?
- is the machine touching something?
- are all the feet resting firmly on the ground? Have the lock nuts been secured?

If you are unable to identify or solve the problem, consult our servicing department. Before telephoning, make a note of the make, model and date of purchase of your machine: the Service Department will require this information.